

19990720.ba v02_n615.bam.990720

>From ???@??? Wed Jul 21 07:29:55 1999
Message-Id: <199907202314.d6KNEZ003655@sco.theporch.com>
Date: Tue, 20 Jul 1999 18:14:15 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2615

BOATANCHORS Digest 2615

Topics covered in this issue include:

- 1) Re: WW2 radio identification
by David Stinson <arc5@ix.netcom.com>
- 2) Re: Flyback failure
by Scott Robinson <spr@earthlink.net>
- 3) Re: Flyback failure
by "Walt Novinger" <wnovinger@home.com>
- 4) DOOR KNOB
by Dave Jordan <wa3gin@erols.com>
- 5) Re: Flyback failure
by "Arden Allen" <gumbear@pacbell.net>
- 6) ElectroVoice 664 Mic and Others for Sale.....
by Robert Ross <radiorob@serix.com>
- 7) RE: BC-906-D Freq meter
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 8) FREE:HP606B MANUAL
by Maurice Weinschenker <morry@ix.netcom.com>
- 9) FS: CQ magazines 1945-1975
by "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
- 10) FS: RME VHF-152 converter
by zeitler@ibm.net
- 11) Re: Wincharger 32v to 12v Batt.
by Andre Guibert <aguibert@sympatico.ca>
- 12) Boatanchors in the movies
by Roy <royn@glacierelectric.com>
- 13) Re HRO-W
by philip mccooy <dgnova@erols.com>
- 14) Re wincharger
by philip mccooy <dgnova@erols.com>
- 15) Where else does 'M' = 1K
by cswiger <cswiger@wilma.widomaker.com>
- 16) Re: Wincharger 32v to 12v Batt.
by W0EOM@aol.com
- 17) Re; Wincharger 32v to 12v
by Andre Guibert <aguibert@sympatico.ca>
- 18) Re: Where else does 'M' = 1K

by misheb@execpc.com
19) RE: Where else does 'M' = 1K
by "Scott Alfter" <salfter@delphi.com>
20) RE: Where else does 'M' = 1K
by Mike Sewell <K0CRX@compuserve.com>
21) RE: Where else does 'M' = 1K
by "Roberta J. Barmore" <rbarmore@indy.net>
22) FREE:TRI-X VFO
by Maurice Weinschenker <morrry@ix.netcom.com>

Message-ID: <3793BF10.DC6F63E6@ix.netcom.com>
Date: Mon, 19 Jul 1999 19:13:04 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: WW2 radio identification
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Buzz:
The transmitter is a BC-223. The receiver is a BC-312.
The dynamotor is a PE-55. The entire radio set is SCR-245.

73 OM DE Dave Stinson AB5S
arc5@ix.netcom.com

Buzz wrote:
>
> List,
> I need help identifying a WW2 BA at: <http://www.lanset.com/buzz/whatsit.html>
> Click on the right pic for a full size view. I'm sure that the receiver is a
> SCR-210 (BC-312) but I can't identify the transmitter or dynamotor, can you?
> Thanks,
> Buzz

Message-ID: <3793C1AD.CEF046A1@earthlink.net>
Date: Mon, 19 Jul 1999 17:24:13 -0700
From: Scott Robinson <spr@earthlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Flyback failure
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

One item I noticed about tube TVs was made most clear when I was working in Alabama (I live near San Francisco) for a couple of weeks and visited the local electronics store for some parts.

They had a WHOLE WALL of doorknob caps, flybacks, ultor leads, and HV rectifier sockets. I noticed this, and, after a moment's thought, said to the counterperson, "The humidity isn't very good for high voltage stuff, is it?"

He allowed as how I sure was right.

Possibly moisture induced leakage currents contribute to the overheating begin commented upon.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Message-ID: <012e01bed246\$700b8760\$0100a8c0@cgra1.ab.wave.home.com>
From: "Walt Novinger" <wnovinger@home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Flyback failure
Date: Mon, 19 Jul 1999 18:25:57 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the tip on the Philco Predicta TVs, Jan. I have been looking for one of these for some time now, and will certainly heed your advice and install (hopefully reversibly) a muffin fan if and when I'm lucky enough to find one I can afford.

Walt

----- Original Message -----
From: <dma@islandnet.com>
To: Old Tube Radios <boatanchors@theporch.com>
Sent: 19-Jul-99 5:57 PM
Subject: Re: Flyback failure

<<snip>>

> an expensive guarantee to the buyer! I sometimes see one of the most

> infamous of the high-heat sets - the otherwise innovative Philco "space
> age" TV - the one with the pix tube mounted on top in a pod. The metal
> cabinet was flat and had little air circulation. It operated so hot you
> could fry eggs. They now sell for thousands as collectors items. I sure do
> hope people find a way to put a little fan in somewhere to protect their
> investment!

>

> Cheers

>

> Jan Skirrow, VE7DJX

> Duncan, BC, Canada

>

> *****

> "So many radios, so little time"

>

> <http://www.islandnet.com/~dma/Boatanchors/>

>

> Information, Parts, Pictures, Articles: The R-390A

> and other classic gear.

>

> *****

>

Message-ID: <3793E093.7A876AE2@erols.com>

Date: Mon, 19 Jul 1999 22:36:03 -0400

From: Dave Jordan <wa3gin@erols.com>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

Subject: DOOR KNOB

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Folks,

I'm trying to repair an old tube linear amplifier for a disabled ham.
There was a door knob cap
rated at 170pf @ 5KV. Apparently, when there is a high SWR there are
currents that are reflected to this capacitor and I'm guessing the
currents are greater than the cap. can carry. SO, I'm looking
for a cap. that has a higher rating perhaps 10kv. Anything out of the
junk box would be appreciated.

Thanks,

dave

WA3GIN

Message-Id: <199907200312.UAA13149@mta2.snfc21.pbi.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Flyback failure
Date: Mon, 19 Jul 1999 20:13:29 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Jim;

> The RCA will
> be a show piece and not a set that's gonna see a lot of regular usage,
but I am
> concerned about flyback life. Any advice is greatly appreciated.

Flybacks are subject to the normal stresses transformers endure and in addition must be resistant to the corrosive effects of ozone created by corona discharge. From what I've seen there is usually an insulation breakdown between windings which causes the horizontal sweep tube to be overloaded and things go from bad to worse. Some still operating flybacks show lots on wax melting and some are covered in what appears to be soot as a result of electrostatic precipitation. In other words they get pretty ugly looking before they ever fail. Flybacks have a limited life because the economics of manufacturing are particularly cruel to these types of devices. How long a particular flyback will last is more a matter of the luck of the draw. Of all the things you can do to help prolong the life of a flyback keeping them cool is about the only thing available. Be careful when ventilating the high voltage section of a TV that you don't cause a build-up of dust which would defeat the cooling and also could contribute to arcing. Cleaning the flyback, thoroughly drying it out and coating it with high voltage insulating laquer or high voltage silicone could help protect it from further corona damage. I wouldn't attempt to impregnate the winding as dielectric loss would probably create more harm, transformer varnishes tend to be too lossy for high frequency operation.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <3.0.32.19990719235946.006b7254@mail.serix.com>
Date: Mon, 19 Jul 1999 23:59:49 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Robert Ross <radiorob@serix.com>
Subject: ElectroVoice 664 Mic and Others for Sale.....
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hello Folks:

I have the following Microphones for Sale.....

All PRICES are in USA Dollars...and SHIPPING is extra.

Please Email me direct at..... radiator@serix.com to reserve any of these Mics.

73....ROB VA3SW

#####

Electrovoice Model 664 Chrome Shotgun Microphone. This is the One that everybody wants for their=20
Boatanchor/Collins Station. Classic Chrome Shotgun.....with Nice Chrome Metal Mesh grill.=20
Has 3 rectangular Cutouts on each side of mic....and this is the early Model with the Black
Nameplate. Ser. # is 182697. Chrome on the Mic is VG+.....except for the Mounting Frame...which=20
looks like it has had an Engraved Name ground off. Some of the chrome has been ground off the side=20
of the frame. Actual Mic is Very nice. No Base or Cord. No Stand.

VG Cond. Overall.=20

PRICE.....\$110.00 USA

#####

Electrovoice Model 630 Chrome Bullet Microphone. Serial # 20521. Classic Chrome Mic
Looks and works great with an Old Boatanchor station. Chrome is Very Good...no Pitting,=20
but there is some minor gouges on the side of the Mounting area...not on the Mic part.
Still displays very well. Also included is a Chrome Mounting Support with Brown Painted
Metal Base. No Plug or Cord.....

VG Cond overall.....Has not been tested on the air.....

PRICE.....\$40.00 USA=20

#####

Astatic Model DN-HZ Chrome Faced Bullet Microphone. Great looking Bullet Mic!! Main body=20

of the Mic is Hammertone Grey Painted...the front Grill is Chrome.....great deco look
with Vertical Grill Bars. Complete with Cord and Plug. Has Nice Chrome mounting Support,
and Heavy Grey Wrinkle Painted Base. Cool looking Mic...Great Deco Styling! Chrome and Paint are both Excellent!

VG+++ Cond....real nice. Untested on the air....

PRICE.....\$60.00 USA

#####

Astatic Model 10C Chrome Faced Bullet Microphone. Similar to the above mic in Looks...but=20

a little smaller. Main body of the mic is Grey Hammertone Painted....front Grill is

Chrome....with both Vertical and Horizontal Bars....again..another cool looking Mic.

Chrome is Excellent....Paint is a VG+..a few Scuffs.=20

Complete with cord and 4 Pin Plug. Also has a Wooden mounting support and Grey hammertone Metal base.

VG+ Cond.....Untested on the air.

PRICE.....\$40.00 USA

#####

Astatic Model 77 Microphone. Large sized Chrome "Elvis Type" styled Mic!!

This is similar

to the Shure Model 55s Elvis.....not exactly...but quite similar. Large Chrome Head that is=20

rounded at the back..and flat at the front. Great Deco styling with tilting Head. This is the=20

Canadian Version of this Mic. The chrome on this is EXCELLENT!!!!...A Real Beauty. Everything=20

on this mic is Chrome..except the Nameplate!! Comes with Chrome Stand and Black wrinkle Heavy

Metal Base. You won't find any nicer....or neater looking for your boatanchor desk. Wouldn't=20

sell this if I didn't have another one!!

EXC. Cond...Untested on the Air.

PRICE.....\$125.00 USA

#####

Robert S. Ross VA3SW
London, Ontario CANADA=20

Antique/Vintage Radio Enthusiast
Amateur Radio Stations VA3SW/VE3JFC

Defy Physics.....Play Table Tennis!! (Ping Pong with an Attitude)

=AB=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4=BB=
=A7=AB=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4=BB=A7=AB=A4=BB=A5=AB=A4

Date: Tue, 20 Jul 1999 08:03:08 -0400
From: "ROBERT W. DOWNS" <RWDDowns_WA5CAB@compuserve.com>
Subject: RE: BC-906-D Freq meter
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199907200803_MC2-7D98-872A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Ben & Group,

The BC-906 was used in various test sets (my =
database says IE-13, 46, 48, 50 & 56). In at =
least some cases, these test sets included the =
BC-1066 Signal Generator. They are all IFF =
test sets.

Robert Downs
WA5CAB
Houston

Message-ID: <37946F1A.C99FB4CE@ix.netcom.com>
Date: Tue, 20 Jul 1999 08:44:11 -0400
From: Maurice Weinschenker <morry@ix.netcom.com>
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>
Subject: FREE:HP606B MANUAL
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

HVE COPY OF HP606B MANUAL. APPEARS TO BE COMPLETE.
3.20 FER PRIORITY MAIL
BEST 73 MORRY K3DPJ

Message-Id: <3.0.3.32.19990720091858.007a9ec0@wort-fm.terracom.net>
Date: Tue, 20 Jul 1999 09:18:58 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
Subject: FS: CQ magazines 1945-1975
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale: CQ magazines. Same set I advertised earlier
but the previous list was incorrect.

Set includes issues from 1945 to 1975 as listed below:

1945 1,10,11 (first year of publication)
1946 5,7
1947 3,7 (2 copies), 8,9,10,12
1948 1,3,4,5,6,7,8,9,10,11
1949 4,7,8,9,10,11,12
1950 3,4,5,6,8,9,10,11,12
1951 1,3,4,5,6,7,8,9,10,11,12
1952 1,2,3,4,5,6,7,8,9,11,12
1953 complete
1954 complete
1955 1,3,4,5,7,8,9,10,11,12
1956 5,6,9,10,11
1957 3,4,6,9,10
1958 3,4,5,6,7,8,9,10,11,12
1959 1,2,3,4,5,6,7,8,10,11,12
1960 1,2,4,5,6,7,8,9,10,11,12
1961 1,2,4,5,6,7,8,9,10,11,12
1962 2,3,4,5,6,7,8,9,10,11,12
1963 1,2,3,4,5,6,8,9,10,11,12
1964 1,2,3,4,5,6,8,9,10,11,12
1965 complete
1966 complete
1967 complete
1968 complete
1969 complete

1970 complete
1971 1,2,3,4,5,6,7,8,9,10,12
1972 complete
1973 complete
1974 complete
1975 complete

Prices as follows:

Single issues: prior to 1953 - \$15 each; 1953 and after - \$3 each

All of any year (complete or incomplete) after 1953 - \$6, 2 for \$10, 5 for \$25

Whole set (everything listed) \$40

Shipping is extra.

73 Terry O' WB9GVB

From: zeitler@ibm.net
Message-ID: <012601bed2c0\$247d5560\$d4dd6520@km3g>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: RME VHF-152 converter
Date: Tue, 20 Jul 1999 07:57:06 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a RME VHF-152 40 meter to 111/10, 6, and 2 meter converter. Uses the 7mhz band as the I.F. It does not have a case and no knobs. Supposedly it was a working unit though but I no longer have a need for it. I never plugged it in. Worst case is it is a good parts unit. Price is \$20 plus shipping from San Diego 92139.

73s

Lane
Ku7i

Date: Tue, 20 Jul 1999 14:14:39 -0400 (EDT)
Message-Id: <1.5.4.16.19990720140922.1e6f1b22@pop1.sympatico.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>

Subject: Re: Wincharger 32v to 12v Batt.

Bonjour to All
Have the chance to get above and some 12v batteries one
year old from surplus UPS systems
Would be wonderfull for my Mill.'s dynamotors.
How did granpa do to match batteries to the 32v?
Andre

Andre Guibert
aguibert@sympatico.ca

Message-Id: <3.0.6.32.19990720122937.007ce8f0@glacierelectric.com>
Date: Tue, 20 Jul 1999 12:29:37 -0600
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy <royn@glacierelectric.com>
Subject: Boatanchors in the movies
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, so none of you are probably low-brow enough to watch a Bowery Boys movie, but had Leo Gorcey and the group on TCM the other night. The film was called Smuggler's Cove with the usual weak plot and lots of fun. Come on, I know some of you were watching, cuz you weren't rocking on the porch.

Early on in the film the "spys" at the cove were communicating with the bad guys on a ship with the "radio" which consisted of a brand-new (looking) SX 42 with the appropriate speaker. The spy would flip one of the toggle switches on the receiver (undoubtedly the standby switch) and "talk" into the speaker, and then flip the switch and listen. Hey, it's called a reproducer isn't it??

Of the course, the ship was miles out in the bay (foggy night, dry ice-induced, visibility approx. 12 feet) and the visual signal was the two Ray-o-Vac flashlight with the hand passed back and forth in secret code. Not sure why they didn't use the radio for that part and fire up the enigma machine, or at least pig-latin.

The whole thing was ironic since I had just purchased a SX 42 that morning at the Glacier Waterton Hamfest here in Montana....What a coinkidink. Now am looking for a speaker...two on the "dreaded site" but probably too pricey. Ya gotta love that place.

Still fun stuff...you want to see a really nice home-brew station catch Back to Boys Town with Mickey Rooney. Lots of footage of two really "swell" stations using 1 x 2 calls, correct mics, etc., although the warm-up time was mighty fast on those 42's and 100TH's...almost as fast as

sand-state, and no QRM at all on the hetrodyne-free reception. Don't tell the boys on 3880.

Well, back to reading War and Peace...Roy

Message-ID: <3794F10D.5@erols.com>
Date: Tue, 20 Jul 1999 14:58:37 -0700
From: philip mccoey <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re HRO-W
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I forget what I posted earlier, but going by the AWA review vol 4, the W series was made from Oct 1937 to April 1938

Re fungus proof:

The set might have been bought by the military or might have been donated, say from a ham. Quite a few hams donated their HROs to the military. After receipt of the HRO from a ham donation the military might have had the set fungus proofed. I am only guessing at this point.

Re HRO 5 or not:

I think the determining point for "HRO-5 hood "is employment of the metal tubes, 6K7 etc. There was some confusion on this point by experts.

I am no expert on this set. I have serviced a number of them and own a HRO-G and a military HRO-5. There are some folks out there, who can discuss each and every part that went into this set. For example, the military version had a redesigned tuning condenser. On the rotor, all of the blades except 1, are bound together by a small bar. The one free blade, is left free, so that it can be bent to check alignment.

weird

Philip McCoy dgnova@erols.com

Message-ID: <3794F359.3926@erols.com>
Date: Tue, 20 Jul 1999 15:08:25 -0700
From: philip mccoey <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re wincharger
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bonjour Andre and anyone else. In re to your question about the 32 volt batterys, I have been told by old timers, that they were very very large.

Philip McCoy dgnova@erols.com

Date: Tue, 20 Jul 1999 15:40:17 -0400 (EDT)
From: cswiger <cswiger@wilma.widomaker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Where else does 'M' = 1K
Message-ID: <Pine.BSF.3.96.990720153907.27734A-1000000@wilma.widomaker.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tube circuit tweakars:

I was just scrutinizing Jack's 29K2 'Riders' schematic when what I thought was a small typo turned out to be widespread use of the Roman numeral 'M' for one thousand (1K), and a million is written out 'meg'. First time I've seen this in radio diagrams - did/does anybody else do this? Only other place I know of are some gas company bills use MCF for thousand cubic feet.

BTW, at the end of this year some of us will switch the calandar year from the brain teaser MCMXCIX to a simple MM.

Chuck
kb4new
cswiger@widomaker.com

From: W0E0M@aol.com
Message-ID: <1aa883ea.24c62b3f@aol.com>
Date: Tue, 20 Jul 1999 15:42:55 EDT
Subject: Re: Wincharger 32v to 12v Batt.
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Andre - my parents bought a 32 volt windcharger when i was in high school, we did not get REA until 1949. the batteries were allways 2 volt

cells in large glass jars.
we had appliances, 32 v and i had an arc welder.

Will

Date: Tue, 20 Jul 1999 16:46:21 -0400 (EDT)
Message-Id: <1.5.4.16.19990720164247.1c3702c0@pop1.sympatico.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: Re; Wincharger 32v to 12v

Bonjour to All
Never thought that I would have so many answers on that
subject.
Wondering if there was Ham gear using the 32v?
A non BA mill. coll. just offered me another 12v 90a/hr
batt. with cell taps, already have two for 24v.
These mill. batteries had been used to power Canadian
Armed Forces radios, really top quality.
Merci very much encore.

Andre

Andre Guibert
aguibert@sympatico.ca

From: misheb@execpc.com
Message-ID: <3794E67B.33C5F3AC@execpc.com>
Date: Tue, 20 Jul 1999 16:13:31 -0500
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Where else does 'M' = 1K
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Chuck: Bankers traditionally used a
small "m" to designate one thousand,
e.g., \$50m is \$50,000. "mm" represented
one million. This is gradually being
replaced with "k" for one thousand.
Probably because of the ever increasing
use of computers in the banking
industry.

73, Gary W90AK

cswiger wrote:

>
> Tube circuit tweakers:
>
> I was just scrutinizing Jack's 29K2 'Riders'
> schematic when what I thought was a small typo turned out
> to be widespread use of the Roman numeral 'M' for one
> thousand (1K), and a million is written out 'meg'.
> First time I've seen this in radio diagrams - did/does
> anybody else do this? Only other place I know of are some
> gas company bills use MCF for thousand cubic feet.
>
> BTW, at the end of this year some of us will switch the
> calendar year from the brain teaser MCMXCIX to a simple MM.
>
> Chuck
> kb4new
> cswiger@widomaker.com

From: "Scott Alfter" <salfter@delphi.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Where else does 'M' = 1K
Date: Tue, 20 Jul 1999 15:00:58 -0700
Message-ID: <NCBBKEMBADLHBJFHAAKIKENCCHAA.salfter@delphi.com>

cswiger [cswiger@wilma.widomaker.com] wrote:
> I was just scrutinizing Jack's 29K2 'Riders'
> schematic when what I thought was a small typo turned out
> to be widespread use of the Roman numeral 'M' for one
> thousand (1K), and a million is written out 'meg'.
> First time I've seen this in radio diagrams - did/does
> anybody else do this?

The schematic for my tube tester (a Precision 920) was done this way. The numbers threw me for a loop when I was trying to dope out how the thing works (500-megohm resistors?!?). Once I figured out that that was what happened, things started to make more sense. :-)

(The schematic was dated sometime in 1942, if I remember right.)

Scott Alfter
salfter@delphi.com

Date: Tue, 20 Jul 1999 18:53:08 -0400
From: Mike Sewell <K0CRX@compuserve.com>

Subject: RE: Where else does 'M' = 1K
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199907201853_MC2-7DB1-D8A1@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Message text written by INTERNET:cswiger@wilma.widomaker.com
>Tube circuit tweakers:

I was just scrutinizing Jack's 29K2 'Riders' schematic when what I thought was a small typo turned out to be widespread use of the Roman numeral 'M' for one thousand (1K), and a million is written out 'meg'. First time I've seen this in radio diagrams - did/does anybody else do this? Only other place I know of are some gas company bills use MCF for thousand cubic feet.<

I think this Roman numeral denotation is more common than we think. It's= used widely in the printing and direct marketing industries, and ,frequently, used cars have xxM miles on them!

73, Mike

K 0 Collects Radios eXclusively/WPE0CFK

Date: Tue, 20 Jul 1999 18:11:58 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Where else does 'M' = 1K
Message-ID: <Pine.SUN.4.10.9907201745150.20783-100000@indy3>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

It wasn't until well after WW II that electronics nomenclature in the US was standardized with u (greek lower-case mu) for millionths, m for thousandths, K for thousands, M for millions, and so on. Prior to that, "M" for thousands was common--about a 50/50 chance in any old schematic that it means megs or 10^3rds. Some of the changes leaked over as the

metric system came into wider use, as metric prefixes are standardized, from femto (10^{-15}) to Tera (10^{12}) and way beyond in both directions. Most for thousand is typical of Imperial measurement, the inch/pound/seconds system still used in many US endeavours.

Even with all the standardization, we've missed out on some useful cgs prefixes. The rest of the world uses "nano" (10 to the negative ninth) a lot more, especially on condenser values, where it gets rid of a lot of leading/trailing zeros for the handy bypassing values. (Another handy trick is using the multiplier in place of the decimal--6800 Ohms becomes 6K8, which takes up less space on schematic diagrams).

73,
--Bobbi

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Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-ID: <37950296.BF91C247@ix.netcom.com>
Date: Tue, 20 Jul 1999 19:13:26 -0400
From: Maurice Weinschenker <morry@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FREE:TRI-X VFO
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

HVE AN ORIGANAL VFO FROM TRI-X 500 XMTR. 5.00 TO COVER SHIPPING
BEST 73 MORRY K3DPJ

End of BOATANCHORS Digest 2615
